WHAT IS CLAIMED IS:

1. A method of displaying unknown words of a digital article comprising:

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a) comparing the digital article with a vocabulary database to find unknown words in the digital article, wherein the vocabulary database is chosen from a known-vocabulary database, an unknown-vocabulary database, or a combined vocabulary database with a known-vocabulary database and an unknown-vocabulary database; and

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b) marking found unknown word(s) so that a reader knows where unknown words(s) are in the digital article.

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2. The method according to claim 1 wherein the step of marking found unknown word(s) is to add an underline under found unknown word(s).

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3. The method according to claim 1 further comprising an amending step to change a known word to an unknown word of the digital article and vice versa, wherein the amending step will further update the vocabulary database.

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4. The method according to claim 1 further comprising a combining step to display found unknown word(s) together as an unknown-vocabulary area.

- 5. The method of displaying unknown words of a digital article comprising:
 - a) comparing the digital article with a vocabulary database to find unknown word(s) in the digital article, wherein the vocabulary database is chosen from a known-vocabulary database, an unknown-vocabulary database, or a combined vocabulary database with a known-vocabulary database and an unknown-vocabulary database; and

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b) displaying found unknown word(s) together as an unknown-vocabulary area.

6. The method according to claim 5 further comprising a marking step to mark found unknown word(s) so that a reader can know where unknown word(s) are in the digital article.

- 7. The method according to claim 5 further comprising an amending step to change a known word to an unknown word of the digital article and vice versa, wherein the amending step will further update the vocabulary database.
- 8. An article of manufacture comprising a computer-readable medium bearing a program code embodied therein for use in an electronic apparatus which is able to display digital articles, the article of manufacture comprising:
- a first computer-readable program segment encoded on the computerreadable medium for comparing the digital article with a

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vocabulary database to find unknown word(s) in the digital article, wherein the vocabulary database is chosen from a known-vocabulary database, an unknown-vocabulary database, or a combined vocabulary database with a known-vocabulary database and an unknown-vocabulary database; and

- a second computer-readable program segment encoded on the computer-readable medium for marking found unknown word(s) so that a reader knows where unknown-word(s) are in the digital article.
- 9. The article of manufacture according to claim 8 further comprising a third computer-readable program segment encoded on the computer-readable medium for changing a known word to an unknown word of the digital article and vice versa, and also updating the vocabulary database.
- 10. The article of manufacture according to claim 8 further comprising a fourth computer-readable program segment encoded on the computer-readable medium for displaying found unknown word(s) together.
- 20 11. The article of manufacture comprising a computer-readable medium bearing a program code embodied therein for use in an electronic apparatus which is able to display digital articles, the article of manufacture comprising:
 - a first computer-readable program segment encoded on the computerreadable medium for comparing the digital article with a vocabulary database to find unknown word(s) in the digital

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article, wherein the vocabulary database is chosen from a known-vocabulary database, an unknown-vocabulary database, or a combined vocabulary database with a known-vocabulary database and an unknown-vocabulary database; and

- a second computer-readable program segment encoded on the computer-readable medium for displaying found unknownword(s) together.
- 12. The article of manufacture according to claim 11 further comprising a third computer-readable program segment encoded on the computer-readable medium for changing a known word to an unknown word of the digital article and vice versa, and also updating the vocabulary database.
- 13. The article of manufacture according to claim 11 further comprising a fourth computer-readable program segment encoded on the computer-readable medium for marking found unknown word(s) so that a reader knows where unknown word(s) are in the digital article.
- 14. An electronic apparatus able to display a digital article and
 20 find unknown-word(s) in the digital article, the electronic apparatus comprising:
 - a display device;
 - a storage device; and
 - a processor connected to the storage device;

the storage device storing:

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a program for controlling the processor; and a vocabulary database, wherein the vocabulary database is chosen from a known-vocabulary database, an unknown-vocabulary database, or a combined vocabulary database with a known-vocabulary database and an unknown-vocabulary database; and

the processor operative with the program to:
compare the digital article with a vocabulary database to find
unknown word(s) of the digital article; and
mark found unknown word(s) so that a reader knows where
unknown word(s) are in the digital article.

- 15. The electronic apparatus according to claim 14 in which the processor is further operative with the program to change a known word to an unknown word of the digital article and vice versa, and also update the vocabulary database.
- 16. The electronic apparatus according to claim 14 in which the processor is further operative with the program to display found unknown word(s) together on the displaying device.
- 17. An electronic apparatus able to display a digital article and find unknown word(s) in the digital article, the electronic apparatus comprising:
 - a displaying device;
- a storage device;a processor connected to the storage device;

the storage device storing

a program for controlling the processor, and

a vocabulary database, wherein the vocabulary database is

chosen from a known-vocabulary database, an unknownvocabulary database, or a combined vocabulary database with
a known-vocabulary database and an unknown-vocabulary
database; and

the processor operative with the program to compare the digital article with a vocabulary database to find unknown word(s) in the digital article; and display found unknown word(s) together on the displaying device.

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- 18. The electronic apparatus according to claim 17 in which the processor is further operative with the program to change a known word to an unknown word of the digital article and vice versa, and also update the vocabulary database.
- 20 19. The electronic apparatus according to claim 17 in which the processor is further operative with the program to mark found unknown word(s) so that a reader knows where unknown word(s) are in the digital article.